

DERWENT-ACC-NO: 1982-05930E

DERWENT-WEEK: 198204

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TITLE: Clarifying and detackifying paint spray booth
wastes -
in circulated wash water by adding water
soluble cationic
polymer, amphoteric metal salt and water
immiscible
hydrocarbon liq.

INVENTOR: COLEMAN, K R; MICHALSKI, R J

PATENT-ASSIGNEE: NALCO CHEM CO[NALC]

PRIORITY-DATA: 1978US-0876963 (February 10, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
✓ CA 1114968 A	December 22, 1981	N/A
026 N/A		

INT-CL (IPC): C02F001/56

ABSTRACTED-PUB-NO: CA 1114968A

BASIC-ABSTRACT:

The clarification and detackification of oversprayed paint and lacquer from circulated water in water wash paint spray booths comprises adding to the water (a) water soluble cationic polymer and a water soluble salt of an amphoteric metal and (b) water immiscible hydrocarbon liq. of s.g. less than 1, (a) in conjunction with an alkaline pH control acid causes detackification and coagulation of the oversprayed paint and lacquer solids and (b) floats the detackified and coagulated paint and lacquer solids to the top of the wash water surface.

Pref. (b) is No.2 or No.6 fuel oil, mineral seal oil, heavy aromatic oil,
paraffin oil or kerosene.

Removal of the paint and lacquer solids enables recycling of the wash water.

The paint spray booths are subjected to reduced down time for cleaning and a superior cleaning of the overspray from the wash water is achieved.

TITLE-TERMS: CLARIFY DETACKIFYING PAINT SPRAY BOOTH WASTE CIRCULATE WASHING

WATER ADD WATER SOLUBLE CATION POLYMER AMPHOTERIC METAL
SALT WATER
IMMISCIBLE HYDROCARBON LIQUID

DERWENT-CLASS: A97 D13 J01

CPI-CODES: A11-B05B; A11-C03; A11-C07; A12-B01A; D04-B09; J01-D03;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0012 0013 0020 0037 3002 0206 0209 0211 0222 0224 0057
0069 0105
0183 0229 0231 0619 1212 1279 1294 3194 1588 1592 1601 1602 1606 1630
1634 1745
1855 1913 1969 2000 2002 2014 2020 2022 2300 2310 2380 2405 2410 2424
2427 2430
2439 2509 2575 2585 3253 2708 2710 2718 2728 2792 2793 2794 2795 2796
3300 2829
Multipunch Codes: 013 027 028 03- 039 04- 06- 062 063 07- 074 075 076
08- 086
09& 10- 134 147 15- 150 153 157 18& 185 191 196 198 199 20- 200 225
231 24& 240
250 31- 311 318 332 334 336 341 342 37- 397 398 399 402 403 42& 42-
426 431 434
436 44& 47& 473 477 48- 50& 532 537 54- 546 55& 57& 57- 575 58& 583
589 597 600
61- 656 672 684 688 720 724 726